inherent functions of any devices or methods which would use the invention and that the addition of them to the claims does not cause substantial loss of claim scope. On the other hand, the limitations clearly set the claims outside of the art cited in this file and are therefore believed to place the application in condition for allowance.

The new limitations require in addition to the recognition by the system of the words supplied by the user, the recognition that the semantic sense of the sentence prompted for by the system will be correct. In other words, the sentence the system is eliciting from the user/patient will either contain the sense of what is depicted in the displayed scene or not, and the user will receive feedback on the basis of the correctness of the meaning of the sentence the user supplies as a response to the prompt.

None of the cited references teaches nor suggests this capability. Accordingly, they should not be as good at helping aphasics as will be the invention herein.

In view of the above amendments and remarks herein, Applicant believes that claims 1-33 are allowable over the prior art of record, and that the application should pass to issuance. Applicants therefore respectfully request reconsideration of the present application, as amended hereby. Should the Examiner be of the opinion that a telephone or other interview would expedite the processing of this application, he is invited to contact the undersigned at (215) 986-4111.

Dated: July 2, 2002

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## **MARKED UP VERSION**

1. (Amended) A computer-implemented method for conducting speech therapy comprising:

displaying a picture, wherein the picture comprises a plurality of aspects;

generating speech prompts for information describing each of the plurality of aspects of the picture;

inputting speech responses, including user-identification of each of the plurality of aspects[; and],

performing speech recognition on the input speech responses, including the useridentification of each of the plurality of aspects to recognize words comprising the responses;

performing natural language analysis of the recognized words to determine whether the user-identification of each of the plurality of aspects accurately describes the plurality of aspects generating a prompt to use each of the plurality of aspects in a sentence if the user-identification of each of the plurality of aspects accurately describes the plurality of aspects,

receiving a sentence from said user responsive to said prompt,

performing natural language analysis, to analyze the semantic content of the sentence for appropriate sentence correctness, and

providing feedback to the user regarding the correctness of the semantic content of the sentence.

- 12. (Amended) A system for conducting speech therapy comprising:
- a visual display device for displaying a picture, the picture comprising a plurality of aspects;
- a microphone adapted to capture sounds spoken by a user to describe the plurality of aspects of the picture;
  - a speaker adapted to output sound in response to the sounds spoken by the user;
  - a processor including memory coupled to the visual display device and the

speaker and receiving the sounds from the microphone, the processor being programmed to:

display the picture, including the plurality of aspects[, and] generate speech prompts for information describing each of the plurality of aspects of the picture;

receive as inputs, speech responses, including user-identification of each of the plurality of aspects;

perform speech recognition on the input speech responses to recognize words comprising the response, including the user-identification of each of the plurality of aspects;

perform natural language analysis of the recognized words to determine whether the user-identification of each of the plurality of aspects accurately describes the plurality of aspects; and,

generate a prompt to use each of the plurality of aspects in a sentence if the user-identification of each of the plurality of aspects accurately describes the plurality of aspects,

receive a sentence from said user responsive to said prompt.

perform natural language analysis, to analyze the semantic content of the sentence for appropriate sentence correctness, and

provide feedback to the user regarding the correctness of the semantic content of the sentence.

21. (Amended) A method for conducting speech therapy comprising:

displaying a picture, wherein the picture comprises a plurality of aspects;

generating a prompt for first information describing a first of the plurality of aspects of the picture;

inputting a speech response, wherein the input speech response includes a user-identification of the first aspect;

performing speech recognition on the input speech response, including the useridentified first aspect in order to recognize words comprising the input speech response;

performing natural language analysis of the recognized words to determine whether the user-identified first aspect accurately describes the first aspect;

repeating the steps of prompt generating, speech response inputting, speech recognition performing and natural language analysis performing for each of the remaining plurality of aspects[, and],

generating a prompt for second information, wherein the second information includes a sentence describing the entire picture,

receiving a sentence from said user responsive to said prompt,

performing natural language analysis, to analyze the semantic content of the sentence for appropriate sentence correctness, and

providing feedback to the user regarding the correctness of the semantic content of the sentence.

28. (Amended) A system for conducting speech therapy, comprising:

a display for displaying a picture, the picture comprising a plurality of aspects,

input means for receiving a spoken description of each of the plurality of aspects of the picture by a user;

output means adapted to output a response to the spoken user description; and,

processing unit means coupled to the display means, the input means, and the output means, the processing unit means being programmed to:

analyze the spoken user description of each of the plurality of aspects, to determine whether the spoken user description of each of the aspects accurately describes the respective aspect of the picture, and,

generate a prompt for the user to use each of the plurality of aspects in a sentence describing the picture if the spoken user description of each of the plurality of aspects accurately describes the respective aspect of the picture,

receive a sentence from said user responsive to said prompt,

perform natural language analysis, to analyze the semantic content of the sentence for appropriate sentence correctness, and

provide feedback to the user regarding the correctness of the semantic content of the sentence.